



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENT APPLICATION

RECEIVED
TECHNOLOGY CENTER-2853
DEC - 6 2002

2853
#123
(Amended)
Amend
S. Davis
12/11/02
2/5/03
Hayes

In re application of

Docket No: Q63724

Tsuyoshi KITAHARA

Appln. No.: 09/816,770 ✓

Group Art Unit: 2853

Confirmation No.: 4825

Examiner: Lam S. NGUYEN

Filed: March 26, 2001 ✓

For: LIQUID JETTING METHOD ✓ AND LIQUID JETTING APPARATUS USING
THE METHOD

AMENDMENT UNDER 37 C.F.R. § 1.111

Commissioner for Patents
Washington, D.C. 20231

Sir:

In response to the Office Action dated July 31, 2002, please amend the above-identified application as follows:

IN THE CLAIMS:

Sub C1
B

1. (Amended) A method jetting liquid droplets, comprising the steps of:

providing a liquid jetting head which includes: a plurality of nozzle orifices; a plurality of pressure generation chambers associated with the nozzle orifices; and a plurality of piezoelectric vibrators for respectively varying the volume of the associated pressure generation chamber to jet a liquid droplet from the associated nozzle orifice;

providing ID data for identifying the respective nozzle orifices;

providing a reference drive signal which is applied to the piezoelectric vibrator such that a reference liquid droplet having a designated amount is jetted from the nozzle orifice;